Lab:	Testing for Anic	วทร
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Name	Period

Procedure: For each anion test, use a squirt of each chemical in a test tube. Record your observations after each addition of a chemical.

To test for:	Add:	Observations:
GROUP 1 -		
Precipitate w/ BaCl ₂		
Sulfate, SO ₄ -2	BaCl₂ and HCl	
Carbonate, CO ₃ -2	BaCl₂ and HCl	
Phosphate, PO ₄ -3	BaCl₂ and HCl	
1 1103p11dtG, 1 O4		
	If no reaction, proceed to Group 2	
GROUP 2 –		
Precipitate w/ AgNO ₃		
Phosphate, PO ₄ -3	AgNO₃	
PO ₄ -3 (confirming)	Ammonium molybdate & heat in water	
	bath	
Chloride, Cl ⁻	AgNO₃, NH₄OH, HNO₃	
Bromide, Br	AgNO₃, NH₄OH, HNO₃	
Br (confirming)	1 squirt 3% starch, then 1 or 2 DROPS	
,	NaOCl (bleach)	
lodide, l-	AgNO ₃ , NH ₄ OH, HNO ₃	
I ⁻ (confirming)	1 squirt 3% starch, then 1 or 2 DROPS	
	NaOCl (bleach)	
GROUP 3 - Soluble		
group, will not		
precipitate		
Nitrate, NO ₃ -1	FeSO ₄ and concentrated H ₂ SO ₄ – after	
	adding FeSO ₄ , tilt the test tube and run	
	several drops acid down the side. Look	
	for the brown ring at the bottom of the	
	test tube.	